Flight-Testing Newton's Laws					
2005 Mathematics Content and Achievement Standards					
Activity/Lesson	State	Standards			
Activity/Lesson	State	Standards	Manipulate algebraic expressions and equations		
		MA.9-10.9-	using properties of real numbers; e.g., simplify,		
Session-10 (1-5)	ND	10.5.8	factor		
Session-10 (1-5)	IND	10.5.0	Use algebraic expressions, equations, or		
			inequalities involving one or two variables to		
			represent relationships (e.g., given a verbal		
			statement, write an equivalent algebraic		
			expression or equation) found in various		
		MA.9-10.9-	contexts (e.g., time and distance problems,		
Session-2 (1-10)	ND	10.5.7	mixture problems)		
( ) ( )			Manipulate algebraic expressions and equations		
		MA.9-10.9-	using properties of real numbers; e.g., simplify,		
Session-2 (1-10)	ND	10.5.8	factor		
2 (1 10)			Determine whether a relation is a function by		
			examining various representations of the		
		MA.9-10.9-	relation; e.g., table, graph, equation, set of		
Session-4 (1-11)	ND	10.5.3	ordered pairs		
			Use algebraic expressions, equations, or		
			inequalities involving one or two variables to		
			represent relationships (e.g., given a verbal		
			statement, write an equivalent algebraic		
			expression or equation) found in various		
		MA.9-10.9-	contexts (e.g., time and distance problems,		
Session-4 (1-11)	ND	10.5.7	mixture problems)		
			Manipulate algebraic expressions and equations		
		MA.9-10.9-	using properties of real numbers; e.g., simplify,		
Session-4 (1-11)	ND	10.5.8	factor		
			Determine whether a relation is a function by		
			examining various representations of the		
0	ND	MA.9-10.9-	relation; e.g., table, graph, equation, set of		
Session-5 (1-6)	ND	10.5.3	ordered pairs		
			Use algebraic expressions, equations, or		
			inequalities involving one or two variables to		
			represent relationships (e.g., given a verbal		
			statement, write an equivalent algebraic expression or equation) found in various		
		MA.9-10.9-	contexts (e.g., time and distance problems,		
Session-5 (1-6)	ND	10.5.7	mixture problems)		
Session-5 (1-0)	IND	10.5.1	Manipulate algebraic expressions and equations		
		MA.9-10.9-	using properties of real numbers; e.g., simplify,		
Session-5 (1-6)	ND	10.5.8	factor		
Session-5 (1-6)	IND	10.0.0	Determine whether a relation is a function by		
			examining various representations of the		
		MA.9-10.9-	relation; e.g., table, graph, equation, set of		
Session-6 ( 1-8)	ND	10.5.3	ordered pairs		
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Session-6 ( 1-8)	ND	MA.9-10.9- 10.5.7	Use algebraic expressions, equations, or inequalities involving one or two variables to represent relationships (e.g., given a verbal statement, write an equivalent algebraic expression or equation) found in various contexts (e.g., time and distance problems, mixture problems)
	112	10.0.1	Manipulate algebraic expressions and equations
		MA.9-10.9-	using properties of real numbers; e.g., simplify,
Session-6 ( 1-8)	ND	10.5.8	factor
Session-7 (1-5)	ND	MA.9-10.9- 10.5.3	Determine whether a relation is a function by examining various representations of the relation; e.g., table, graph, equation, set of ordered pairs
Session-7 (1-5)	ND	MA.9-10.9- 10.5.7	Use algebraic expressions, equations, or inequalities involving one or two variables to represent relationships (e.g., given a verbal statement, write an equivalent algebraic expression or equation) found in various contexts (e.g., time and distance problems, mixture problems)
		MA.9-10.9-	Manipulate algebraic expressions and equations using properties of real numbers; e.g., simplify,
Session-7 (1-5)	ND	10.5.8	factor